

ABSTRACT

Thermal throttling control to safely throttle clocks OFF and ON in an integrated circuit. Digital thermal throttling control is provided to gradually throttle a clock's frequency from ON to OFF and from OFF to ON. The gradual throttling can minimize an instantaneous current rise that would otherwise occur with a rapid shut OFF and a rapid turn ON of a clock. Included are methods and apparatus for digital thermal throttle control in an integrated circuit.

[illegible]